

SEQUENCE LISTING

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Dobbs, Susan
Perros, Manoussos

<120> Assay Method

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<151> 2000-01-12

<150> GB 0000663.5
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<170> PatentIn Ver. 2.1

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<213> Homo sapiens

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<211> 352
<212> PRT
<213> Homo sapiens

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Ser Glu Pro Cys Gln Lys Ile Asn Val Lys Gln Ile Ala Ala Arg Leu
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Leu Pro Pro Leu Tyr Ser Leu Val Phe Ile Phe Gly Phe Val Gly Asn
35 40 45
Met Leu Val Ile Leu Ile Leu Ile Asn Cys Lys Arg Leu Lys Ser Met
50 55 60
Thr Asp Ile Tyr Leu Leu Asn Leu Ala Ile Ser Asp Leu Phe Phe Leu
65 70 75 80
Leu Thr Val Pro Phe Trp Ala His Tyr Ala Ala Ala Gln Trp Asp Phe
85 90 95
Gly Asn Thr Met Cys Gln Leu Leu Thr Gly Leu Tyr Phe Ile Gly Phe
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Phe Ser Gly Ile Phe Phe Ile Ile Leu Leu Thr Ile Asp Arg Tyr Leu
115 120 125
Ala Val Val His Ala Val Phe Ala Leu Lys Ala Arg Thr Val Thr Phe
130 135 140
Gly Val Val Thr Ser Val Ile Thr Trp Val Val Ala Val Phe Ala Ser
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Leu Pro Gly Ile Ile Phe Thr Arg Ser Gln Lys Glu Gly Leu His Tyr
165 170 175
Thr Cys Ser Ser His Phe Pro Tyr Ser Gln Tyr Gln Phe Trp Lys Asn
180 185 190
Phe Gln Thr Leu Lys Ile Val Ile Leu Gly Leu Val Leu Pro Leu Leu
195 200 205
Val Met Val Ile Cys Tyr Ser Gly Ile Leu Lys Thr Leu Leu Arg Cys
210 215 220
Arg Asn Glu Lys Lys Arg His Arg Ala Val Arg Leu Ile Phe Thr Ile

225 230 235 240

Met Ile Val Tyr Phe Leu Phe Trp Ala Pro Tyr Asn Ile Val Leu Leu
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Leu Asn Thr Phe Gln Glu Phe Phe Gly Leu Asn Asn Cys Ser Ser Ser
260 265 270

Asn Arg Leu Asp Gln Ala Met Gln Val Thr Glu Thr Leu Gly Met Thr
275 280 285

His Cys Cys Ile Asn Pro Ile Ile Tyr Ala Phe Val Gly Glu Lys Phe
290 295 300

Arg Asn Tyr Leu Leu Val Phe Phe Gln Lys His Ile Ala Lys Arg Phe
305 310 315 320

Cys Lys Cys Cys Ser Ile Phe Gln Gln Glu Ala Pro Glu Arg Ala Ser
325 330 335

Ser Val Tyr Thr Arg Ser Thr Gly Glu Gln Glu Ile Ser Val Gly Leu
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<210> 3
<211> 1512
<212> DNA
<213> Human immunodeficiency virus type 1

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<210> 4
<211> 503
<212> PRT
<213> Human immunodeficiency virus type 1

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Tyr Gly Val Pro Val Trp Lys Glu Ala Thr Thr Leu Phe Cys Ala
35 40 45

Ser Asp Ala Lys Ala Tyr Asp Thr Glu Val His Asn Val Trp Ala Thr
50 55 60

His Ala Cys Val Pro Thr Asp Pro Asn Pro Gln Glu Val Glu Leu Glu
65 70 75 80

Asn Val Thr Glu Asn Phe Asn Met Trp Lys Asn Asn Met Val Glu Gln
85 90 95

Met His Glu Asp Ile Ile Ser Leu Trp Asp Gln Ser Leu Lys Pro Cys
100 105 110

Val Lys Leu Thr Pro Leu Cys Val Thr Leu Asn Cys Thr Asp Leu Arg
115 120 125

Asn Ala Thr Asn Gly Asn Asp Thr Asn Thr Thr Ser Ser Ser Arg Glu
130 135 140

Met Met Gly Gly Glu Met Lys Asn Cys Ser Phe Lys Ile Thr Thr
145 150 155 160

Asn Ile Arg Gly Lys Val Gln Lys Glu Tyr Ala Leu Phe Tyr Glu Leu
165 170 175

Asp Ile Val Pro Ile Asp Asn Asn Ser Asn Asn Arg Tyr Arg Leu Ile
180 185 190

Ser Cys Asn Thr Ser Val Ile Thr Gln Ala Cys Pro Lys Ile Ser Phe
195 200 205

Glu Pro Ile Pro Ile His Tyr Cys Ala Pro Ala Gly Phe Ala Ile Leu
210 215 220

Lys Cys Lys Asp Lys Lys Phe Asn Gly Lys Gly Pro Cys Ser Asn Val
225 230 235 240

Ser Thr Val Gln Cys Thr His Gly Ile Arg Pro Val Val Ser Thr Gln
245 250 255

Leu Leu Leu Asn Gly Ser Leu Ala Glu Glu Glu Val Val Ile Arg Ser
260 265 270

Glu Asn Phe Ala Asp Asn Ala Lys Thr Ile Ile Val Gln Leu Asn Glu
275 280 285

Ser Val Glu Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys Ser
290 295 300

Ile His Ile Gly Pro Gly Arg Ala Leu Tyr Thr Thr Gly Glu Ile Ile
305 310 315 320

Gly Asp Ile Arg Gln Ala His Cys Asn Leu Ser Arg Ala Lys Trp Asn
325 330 335

Asp Thr Leu Asn Lys Ile Val Ile Lys Leu Arg Glu Gln Phe Gly Asn
340 345 350

Lys Thr Ile Val Phe Lys His Ser Ser Gly Gly Asp Pro Glu Ile Val
355 360 365

Thr His Ser Phe Asn Cys Gly Gly Glu Phe Phe Tyr Cys Asn Ser Thr
370 375 380

Gln Leu Phe Asn Ser Thr Trp Asn Val Thr Glu Glu Ser Asn Asn Thr
385 390 395 400

Val Glu Asn Asn Thr Ile Thr Leu Pro Cys Arg Ile Lys Gln Ile Ile
405 410 415

Asn Met Trp Gln Lys Val Gly Arg Ala Met Tyr Ala Pro Pro Ile Arg
420 425 430

Gly Gln Ile Arg Cys Ser Ser Asn Ile Thr Gly Leu Leu Leu Thr Arg
435 440 445

Asp Gly Gly Pro Glu Ala Asn Lys Thr Glu Val Phe Arg Pro Gly Gly
450 455 460

Gly Asp Met Arg Asp Asn Trp Arg Ser Glu Leu Tyr Lys Tyr Lys Val
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Val Lys Ile Glu Pro Leu Gly Val Ala Pro Thr Lys Ala Lys Arg Arg
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Val Val Gln Arg Glu Lys Arg
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<210> 5
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<213> Homo sapiens

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5

6

7

8

<210> 6
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<212> PRT
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9<400> 6

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20 25 30

Gln Ile Lys Ile Leu Gly Asn Gln Gly Ser Phe Leu Thr Lys Gly Pro
35 40 45

Ser Lys Leu Asn Asp Arg Ala Asp Ser Arg Arg Ser Leu Trp Asp Gln
50 55 60

Gly Asn Phe Pro Leu Ile Ile Lys Asn Leu Lys Ile Glu Asp Ser Asp
65 70 75 80

Thr Tyr Ile Cys Glu Val Glu Asp Gln Lys Glu Glu Val Gln Leu Leu
85 90 95

Val Phe Gly Leu Thr Ala Asn Ser Asp Thr His Leu Leu Gln Gly Gln
100 105 110

Ser Leu Thr Leu Thr Leu Glu Ser Pro Pro Gly Ser Ser Pro Ser Val
115 120 125

Gln Cys Arg Ser Pro Arg Gly Lys Asn Ile Gln Gly Gly Lys Thr Leu
130 135 140

Ser Val Ser Gln Leu Glu Leu Gln Asp Ser Gly Thr Trp Thr Cys Thr
145 150 155 160

Val Leu Gln Asn Gln Lys Lys Val Glu Phe Lys Ile Asp Ile Val Val

165 170 175
Leu Ala Phe Gln Lys Ala Ser Ser Ile Val Tyr Lys Lys Glu Gly Glu
180 185 190
Gln Val Glu Phe Ser Phe Pro Leu Ala Phe Thr Val Glu Lys Leu Thr
195 200 205
Gly Ser Gly Glu Leu Trp Trp Gln Ala Glu Arg Ala Ser Ser Ser Lys
210 215 220
Ser Trp Ile Thr Phe Asp Leu Lys Asn Lys Glu Val Ser Val Lys Arg
225 230 235 240
Val Thr Gln Asp Pro Lys Leu Gln Met Gly Lys Lys Leu Pro Leu His
245 250 255
Leu Thr Leu Pro Gln Ala Leu Pro Gln Tyr Ala Gly Ser Gly Asn Leu
260 265 270
Thr Leu Ala Leu Glu Ala Lys Thr Gly Lys Leu His Gln Glu Val Asn
275 280 285
Leu Val Val Met Arg Ala Thr Gln Leu Gln Lys Asn Leu Thr Cys Glu
290 295 300
Val Trp Gly Pro Thr Ser Pro Lys Leu Met Leu Ser Leu Lys Leu Glu
305 310 315 320
Asn Lys Glu Ala Lys Val Ser Lys Arg Glu Lys Ala Val Trp Val Leu
325 330 335
Asn Pro Glu Ala Gly Met Trp Gln Cys Leu Leu Ser Asp Ser Gly Gln
340 345 350
Val Leu Leu Glu Ser Asn Ile Lys Val Leu Pro Thr Trp Ser Thr Pro
355 360 365
Val His
370